

REMOTE DATA ACCESS AND SYNCHRONIZATION

Abstract

A method for partially synchronizing a local database stored on a local computer and a remote database stored on a remote computer. The method includes forming a message including information related to a local update of the local database, selecting a path from one or more communication paths coupling the local computer to the remote computer to pass the message to the remote computer, and transmitting data including the message to the remote computer over the selected path. The method can include determining whether the local update to the local database should be sent to the remote computer. The method includes receiving the data at the remote computer, processing the message included in the received data, and providing the information related to the local update to a remote application executing on the remote computer. A remote database coupled to the remote application is then updated using the information related to the local update. Information related to an update of the remote can also be selectively sent to update the local database. Messages sent between a local computer and a remote computer can be passed through a networked server computer, coupled by wired or wireless data networks to both the local computer and the remote computer.

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